

8959-9

12/18/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

John R. French, Ph.D.
Applied Biochemists (a Lonza company)
90 Boroline Drive
Allendale, NJ 07401

DEC 18 2012

Subject: Label amendment to change signal word and precautionary statements
Product Name: Weedtrine D Aquatic Herbicide
EPA Reg. No: 8959-9
Decision Number: 467942

Dear Dr. French:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable, as amended

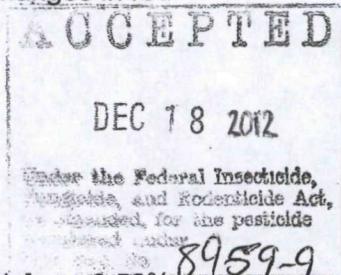
One copy of labeling for this product, stamped "Accepted," is enclosed for your records. Products released for shipment after 18 months from the date on this notice or the next printing of the label, whichever occurs first, must bear the new revised label. Amended labeling will supersede all previously accepted ones.

Per 40 CFR 156.10(6), submit one copy of your final printed labeling before you release the product for shipment. If you have questions or concerns regarding this letter, please contact Beth Benbow at (703) 347-8072 or email at benbow.bethany@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kathryn V. Montague".

Kathryn V. Montague
Product Manager 23
Herbicide Branch
Registration Division (7505P)



Weedtrine® - D Aquatic Herbicide

FOR USE IN AND AROUND STILL LAKES - PONDS - DITCHES

ACTIVE INGREDIENT

Diquat dibromide [6,7-dihydrodipyrido (1,2-a:2',1'-C) pyrazinediium dibromide] 8.53%

OTHER INGREDIENTS 91.47%

TOTAL 100.00%

Contains 0.4 lb. diquat cation per gallon as 0.746 lb. salt per gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand label, find someone to explain it to you in detail.)

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

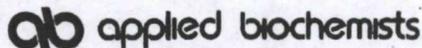
IF INHALED: Move person to fresh air. If person is not breathing, immediately call 911 or an ambulance then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IN CASE OF EMERGENCY CALL: 1-800-654-6911

NOTE TO PHYSICIAN:

To be effective, treatment for diquat poisoning must begin **IMMEDIATELY**. Treatment consists of binding diquat in the gut with suspensions of activated charcoal or bentonite clay, administration of cathartics to enhance elimination, and removal of diquat from the blood by charcoal hemoperfusion or continuous hemodialysis.



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www.appliedbiochemists.com

E.P.A. Reg. No. 8959-9
E.P.A. Est. No. xxxx-yy-zz
NET CONTENTS: ____ GALLONS (____ Liters)

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if inhaled. Harmful if swallowed. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Some materials that are chemical-resistant to this product are made of waterproof material. If you want more options, follow the instructions for category "A" on an EPA chemical-resistance category selection chart. Applicators and other handlers must wear coveralls over long-sleeved shirt and long pants, protective eyewear, chemical resistant gloves, chemical resistant footwear plus socks, chemical resistant headgear for overhead exposure and a chemical resistant apron when cleaning equipment, mixing or loading; and a dust/mist filtering respirator with NIOSH approval number prefix TC-21 C.

USER SAFETY REQUIREMENTS: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.

USER SAFETY RECOMMENDATIONS: Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outsides of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to aquatic invertebrates. Do not apply directly to water except as specified on this label. Treated water may be used only according to the Water Use Restrictions table below.

PRODUCT INFORMATION: WEEDTRINE-D Aquatic Herbicide is a non-volatile herbicide for use in controlling submersed, floating aquatic and marginal weeds. This product works by being absorbed by the weed. Herbicidal effects are visible within a few days. Optimum results are seen if the weeds are young and actively growing. Treatment of dense weed areas may result in oxygen loss from decomposition of dead weeds. This loss of oxygen may cause fish suffocation. Therefore, treat only 1/3 to 1/2 of the dense weed areas at a time and wait 14 days between treatments. **DO NOT APPLY TO MUDDY WATER.** Avoid stirring sediment during application. Do not apply to plants that are covered with mud deposits.

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DIRECTIONS FOR USE:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label. Use strictly in accordance with precautionary statements and directions, and with applicable state and federal regulations. Do not apply this product through any type of irrigation system or by air.

Do not apply under conditions of high wind and wave action. Do not contaminate water when disposing of equipment wash waters. Consult your State Fish and Game Agencies before applying this product to public waters. Necessary approval and/or permits must be obtained prior to application if required. Do not apply this product to areas where commercial processing of fish resulting in production of fish protein concentrate or fish meal is practiced.

AQUATIC USE SITES

New York- Not for Sale or Use in New York State without Supplemental Special Local Needs Labeling. Necessary approval and/or permits must be obtained prior to application if required. Consult the responsible State Agencies (i.e., Fish and Game Agencies, State Water Conservation authorities, or Department of Natural Resources).

For application only to **still water** (i.e. ponds, lakes, and drainage ditches) where there is minimal to no outflow to public waters.

Application to **public waters** in ponds, lakes, reservoirs, marshes, bayous, drainage ditches, canals, streams, rivers, and other slow-moving or quiescent bodies of water for control of aquatic weeds. For use by:

- Corps of Engineers; or
- Federal or State Public Agencies (i.e., Water Management District personnel, municipal officials); or
- Applicators and/or Licensees (certified for aquatic pest control) that are authorized by the State or Local government.

Treated water may be used according to the Water Use Restrictions table or until such time as an approved assay (example: PAM II Spectromatic Method) shows that the water does not contain more than the designated maximum contaminant level goal (MCLG) of 0.02mg/l. (ppm) of diquat dibromide (calculated as the cation).

Water Use Restrictions Following Applications With Weedtrine-D Aquatic Herbicide (Days)

Application Rate	Drinking	Fishing and Swimming	Livestock/ Domestic Animals Consumption	Spray Tank Applications** and Irrigation to Turf and Landscape Ornamentals	Spray Tank Applications** and Irrigation to Food Crops and Production Ornamentals
8 to 10 gal./surface acre	3 days	0	1 day	3 days	5 days
4 gal./surface acre	2 days	0	1 day	2 days	5 days
3 gal. /surface acre	2 days	0	1 day	2 days	5 days
2 gal./surface acre	1 day	0	1 day	1 day	5 days
Spot Spray* (<2 gal./surface acre)	1 day	0	1 day	1 day	5 days

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*Add a nonionic surfactant (with at least 75% of the constituents' active as a spray adjuvant) at the rate specified by the manufacturer.

**For preparing agricultural sprays for food crops, turf or ornamentals (to prevent phytotoxicity), do not use water treated with Weedtrine-D Aquatic Herbicide before the specified time period.

SUBMERSED WEED APPLICATION: In early season where submersed weed growth has not reached the surface, apply this product by pouring directly from the container into the water in strips 40 feet apart or dilute at least 5:1 with water (21 oz. of this product per gallon of water) and apply as a surface spray or by underwater injection, distributing chemical as evenly as possible. In late season where submersed weeds have reached the water surface, treat in strips no more than 20 feet apart with a 2:1 solution. Use the high rate of application as indicated by the weeds present. Where algae are present along with the submersed weeds, pre-treatment with **CUTRINE®-PLUS** algaecide is advised for optimum results.

SUBMERSED WEEDS	Gals./Surface Acre
Naiad (<i>Najas spp.</i>)	5
Bladderwort (<i>Utricularia spp.</i>) Watermilfoil (including Eurasian <i>Myriophyllum spp.</i>)	5-10
Coontail (<i>Ceratophyllum demersum</i>) Elodea (<i>Elodea spp.</i>) Pondweeds (<i>Potamogeton spp.</i>)* *Except <i>P. robbinsii</i> ; also Richard Pondweed, <i>P. richardsonii</i>	10

FLOATING WEED APPLICATION (Requires use of an aquatic use non-ionic surfactant): Dilute this product 64:1 with water (2 oz. this product per gallon of water). Add 1 oz. of non-ionic surfactant per 10 gal. of spray solution. 150 gallons of this solution will treat 1 acre at the lower rate and 240 gallons will treat 1 acre at the higher rate. Use higher rate for late season application.

Pennywort (<i>Hydrocotyle spp.</i>) Salvinia (<i>Salvinia</i> , including <i>S. molesta</i>) Water Hyacinth (<i>Eichhornia crassipes</i>) Water Lettuce (<i>Pistia stratiotes</i>)	2 ½ - 3 ¾ Gal /Surface Acre
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DUCKWEED APPLICATION (Requires the use of an aquatic use non-ionic surfactant): Dilute this product 25:1 with water (5 oz. of this product per gallon of water). Add 1 oz. of non-ionic surfactant per 10 gal. of spray solution. 130 gallons of this solution will treat 1 acre. Apply at a rate of 5 gal/surface acre, taking care to cover all the plants on the water surface and on damp, marginal areas. Re-treatment may be necessary for season-long control.

MARGINAL WEED APPLICATION (Requires the use of an aquatic use non-ionic surfactant): For top kill, dilute this product 19:1 with water (6.5 oz. of this product per gallon of water). Add 1.6 oz. of non-ionic surfactant per 10 gallons of spray solution. Wet foliage thoroughly with spray solution. Repeat treatment, as necessary to control regrowth. For best results, apply before flowering. For cattails (*Typha spp.*) apply 5 gal/ surface acre.

ALGAE APPLICATION: This product will control certain filamentous algae (*Spirogyra spp.* and *Pithophora spp.*) Apply 0.5 to 1.5 ppm this product for control. Apply in same manner as for submersed weeds.

Formula For Parts Per Million (ppm)

Gallons to use = ppm x acreage of water x average depth of water x 7.

For example: 1/2 ppm; 2 acre pond; 4 foot average depth – $1/2 \times 2 \times 4 \times 7 = 28$ gallons required

NOTE: Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Rinse all spray equipment thoroughly with water after use. Use only non-ionic surfactants in conjunction with this product.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Do not contaminate feed, foodstuffs or drinking water. Do not store or transport near feed or food. Store at temperatures above 32°F.

PESTICIDE DISPOSAL: Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

(For <5gallon non-refillable containers only):

CONTAINER HANDLING: Nonrefillable container. Do not reuse container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning if available or puncture and dispose of in approved landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Consult Federal, State or local authorities for approved alternative procedures.

(For ≥ 5 gallon non-refillable containers only):

CONTAINER HANDLING: Nonrefillable container. Do not reuse container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ with water and recap. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if available or puncture and dispose of in approved landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Consult Federal, State or local authorities for approved alternative procedures.

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{optional} [WARRANTY DISCLAIMER

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